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Memorandum

To: Kevin Rochlin, U.S. Environmental Protection Agency (EPA)

From: Clay Patmont and Dan Hennessy

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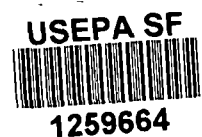
Date: August 7, 2005

Re: Quendall Terminals Data

Following up your request at our meeting last week, we provide below a brief synopsis of the available data sets generated during the numerous characterization studies of the Quendall Terminals Site. This memorandum provides a road map to help facilitate EPA's review of the available documentation, listing some of the more important data from historical and recent studies that can be used to calculate baseline human health and ecological risks associated with contaminants in soil, groundwater, sediment porewater, bulk sediment, and surface water media at the Site.

As we have discussed, a considerable amount of data have been generated for the Quendall Terminals Site. The studies that generated the pertinent physical, chemical, and biological information available for the Site are reviewed in the following documents:

- Anchor Environmental and Aspect Consulting, 2002. Final Data Gap Summary, Quendall Terminals Site, Renton, Washington, prepared by for J.H Baxter & Company and Altino Properties, Inc. May 2002.



- Anchor Environmental and Aspect Consulting, 2003. Final Risk Assessment/Feasibility Study Work Plan, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. April 2003.
- Anchor Environmental and Aspect Consulting, 2004. Draft Final Risk Assessment/Feasibility Study, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. October 2004.

Note that the data described in the above documents and summarized below are not intended to be an exhaustive list of all available data for the Site. We recommend that the following reports be reviewed first to most rapidly gain an understanding of the available soil, groundwater, sediment porewater, and bulk sediment data available for the Site that are most relevant to the baseline risk assessment. As noted above, compilation of the backup information for these studies (i.e., field logbooks, photographic documentation, laboratory data forms, chain-of-custody forms, data validation memoranda, etc.) is ongoing and Anchor and Aspect will work with EPA to ensure the necessary level of documentation is achieved.

Soils

- Hart Crowser, 1997. Final Remedial Investigation, Quendall Terminals Uplands, Renton, Washington: Volumes I and II. Report prepared for Quendall Terminals (Sampling in June 1995)
- Anchor Environmental and Aspect Consulting, 2004. Draft Final Risk Assessment/Feasibility Study, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. October 2004.
 - Supplemental Surface Soil Evaluation (Sampling in February 2004)

Groundwater

- Hart Crowser, 1997. Final Remedial Investigation, Quendall Terminals Uplands, Renton, Washington: Volumes I and II. Report prepared for Quendall Terminals (Sampling in January 1996)
- Retec, 2002. Mudline wellpoint and geoprobe sampling data for the Port Quendall Project. Data report prepared for Port Quendall Company (Sampling in January 2001)

- Anchor Environmental and Aspect Consulting, 2004. Draft Final Risk Assessment/Feasibility Study, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. October 2004.
 - Wellpoint-Porewater Biodegradation Analysis (Sampling in September 2002 and February 2003)
 - DNAPL Recovery Pilot Test (November 2003 to May 2004; additional testing is ongoing)
 - Groundwater Vertical Permeability and Vertical Head Study (December 2003)

Porewater

- Retec, 2002. Mudline wellpoint and geoprobe sampling data for the Port Quendall Project. Data report prepared for Port Quendall Company (Sampling in January 2001)
- Anchor Environmental and Aspect Consulting, 2004. Draft Final Risk Assessment/Feasibility Study, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. October 2004.
 - Wellpoint-Porewater Biodegradation Analysis (Sampling in September 2002 and February 2003)

Sediment

- Ecology, 1992. Effects of polycyclic aromatic hydrocarbons (PAHs) in sediments from Lake Washington on freshwater sediment bioassay organisms and benthic invertebrates.
- Retec, 1997. Sediment Quality Memorandum for Port Quendall. April 1997. (Sampling November 1996 and January 1997)
- Exponent, 1999. Draft Remedial Investigation and Focused Feasibility Study for the Quendall Terminals Property. November 1999.
- Exponent, 2001. Sediment Sampling Results for the Quendall Terminals Property. Report prepared for City of Renton. (Sampling for Bioassays in June 2000)
- Anchor and Lloyd, 2003. Completion Report, Independent Remedial Action, Barbee Mill Sediment Cleanup Project, Lake Washington. January 2003. (Includes a correlation analysis of sediment bioassay results and total organic carbon data from Quendall Terminals.)

- Anchor Environmental and Aspect Consulting, 2004. Draft Final Risk Assessment/Feasibility Study, Port Quendall Terminals Site. Prepared for J.H Baxter & Company and Altino Properties, Inc. October 2004.
 - Wellpoint-Porewater Biodegradation Analysis (September 2002 and February 2003)
 - Sediment Natural Recovery (Sampling in September 2003)
 - Sediment Confirmatory Bioassays (Sampling in February 2004)